

REMARKS

This is in response to the Office Action of 21 May 2004. Claims 1-29 are pending in the application, and Claims 1-29 have been rejected.

By this Response and Amendment, Claims 14 and 17 have been amended in a non-narrowing manner to correct typographical and punctuation errors; and arguments traversing the rejections are presented.

No new matter has been added.

In view of the amendments above and remarks below, Applicants respectfully request reconsideration and further examination.

About the Invention

The present invention relates generally to the use of location information as at least one basis for selecting one or more radio content providers. In one aspect of the present invention, information regarding the radio content providers, such as their programming schedule and coverage maps, in various geographical regions is either provided locally by a storage means substantially co-located with a location-aware radio, or provided by a location-based services provider to the radio after the location-based services provider obtains information regarding the location of the radio. Creation of a database suitable to support such a location-based service includes developing signal coverage maps from information such as, but not limited to, transmitter location, effective radiated power output, antenna height above average terrain; and developing and maintaining program format and schedule maps. Location-based time zone adjustments can be made to adapt program schedule information for a current location of a client.

Non-narrowing Amendment to Claims 14 and 17

Claim 14 has been amended in a non-narrowing manner to correct a typographical error. More particularly, Claim 14 has been amended to depend

from independent Claim 13, rather than from itself.

Claim 17 has been amended in a non-narrowing manner to correct a punctuation error by replacing a period with a comma. More particularly, Claim 17 has been amended to change "information. and" to read "information, and".

Rejections under 35 USC §103(a)

Claims 1-29 have been rejected under 35 USC §103(a) as being unpatentable over Dowling, et al., (US Patent 6,522,875) in view of Dennison, et al., (US Patent 6,324,404)

For at least the reasons set forth below, Applicants respectfully traverse the rejection of Claims 1-29 under 35 USC §103(a), and request that these rejections be withdrawn.

Applicants' claimed invention deals with a location-aware radio whose pre-set station tunings can be changed based on the location of the radio, and variously on other factors such as the make, selectivity, and sensitivity of the radio, the type of programming that a user desires to receive, and upon the time of day at the location where the radio is located.

The disclosure of Dowling, et al., is directed to a web browser that allows a user to navigate a set of network web pages based on a user's location. The disclosure of Dennison, et al., is directed to cellular telephone management system.

With respect to independent Claim 1, the Examiner indicates that Dowling, et al., discloses all the limitations except for the geographic boundary information that defines a boundary within which a pre-determined radiated energy pattern is found, and further indicates that Dennison, et al., disclose this aspect of the claimed invention. Applicants respectfully submit that the references do not disclose the recited limitations of creating a database of broadcast radio stations and maintaining for each broadcast radio station a

schedule of program information. The invention defined by Applicants' Claim 1, is clearly different from that which is disclosed by Dowling, et al., and Dennison, et al. In particular, the invention defined by independent Claim 1 requires that each radio station's program schedule be part of the information in the database. The "scheduling system" referred to at col.11, line 7, of Dowling, et al., has nothing to do with radio station program schedules, rather it provides a work schedule for mobile service workers so that they can determine the next location to which they should travel. Neither Dowling, et al., or Dennison, et al., appear to disclose, suggest, or provide motivation for the recited limitations of independent Claim 1.

With respect to independent Claim 13, the Examiner indicates that Dowling, et al., and Dennison, et al., disclose all the limitations as the Examiner set forth with respect to Claim 1, and that Dowling, et al., further disclose providing a frequency assignment to each of a plurality of user input interfaces and making a second assignment if the mobile radio moves to another location. Applicants' respectfully assert that there is no such disclosure as is cited by the Examiner. Independent Claim 13 can be readily understood in the illustrative context of a car radio that has its station select buttons set to tune in radio stations that transmit at certain frequencies. In such a radio that embodies the present invention, traveling to another region, i.e., the "second geographical zone", results in providing at least one of the station select buttons with an alternative frequency assignment. The Examiner's citation of Dowling's abstract, Figs. 1 and 6, and columns 4 and 10 - 11, does not disclose, suggest, or motivate anything such as that recited in Applicants' Claim 13.

With respect to independent Claim 17, the Examiner indicates that Dowling, et al., and Dennison, et al., disclose all the limitations the Claim. However, Applicants respectfully assert that the Examiner has not acknowledged the recitation of the specific limitation that the transceiver is adapted to receive tuning information and to communicate the tuning information to the radio, nor has the Examiner given any indication where the cited references might disclose these recited limitations.

With respect to independent Claim 21, the Examiner indicates that Dowling, et al., and Dennison, et al., disclose all the limitations of the Claim. However, Applicants respectfully assert that the references cited by the Examiner do not disclose, suggest, or provide motivation for the recited limitations of recording a broadcast station's call sign, nor recording programming (i.e., content) information.

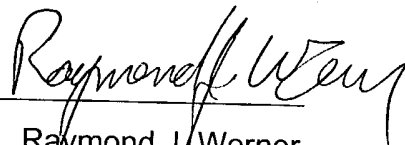
For at least the reasons set forth above, Applicants respectfully submit that the rejections of Claims 1, 13, 17, and 21, and the Claims that depend therefrom, are improper and should be withdrawn.

Conclusion

All of the rejections in the outstanding Office Action of 21 May 2004 have been responded to, and Applicants respectfully submit that the application with allowed Claims 1-29 is now in condition for allowance.

Applicants respectfully request that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

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